

Recombinant Human ITPKC Protein, GST-tagged

Cat. No. ITPKC-4947H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITPKC full-length ORF (NP_079470.1, 1 a.a. - 683 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the inositol 1,4,5-trisphosphate [Ins(1,4,5)P(3)] 3-kinase family of enzymes that catalyze the phosphorylation of inositol 1,4,5-trisphosphate to 1,3,4,5-tetrakisphosphate. The encoded protein is localized to the nucleus and cytoplasm and has both nuclear import and nuclear export activity. Single nucleotide polymorphisms in this gene are associated with Kawasaki disease
Molecular Mass	101.6 kDa
AA Sequence	MRRCPCRGSLNEAEAGALPAAARMGLEAPRGRRRQPGQQRP GPGAGAPAGRP EGGGPWARTEGSSLHSEPERAGLG PAPGTESPQAEFWTDGQTEPAAAGLGVETE RPKQKTEPDRSSLRTHLEWSWSELETTCLWTETGTDGLWTDPHRSDLQFQPEEAS PWTQPGVHGPWTELETHGSQTQPERVKS WADNLWTHQNSSSLQTHPEGACPSKE PSADGSWKELYTDGSRTQQDIEGPWTEPYTDGSQKKQDTEAARKQPGTGGFQIQQ DTDGSWTQPSTDGSQTAPGTDCLLGEPEDGPLEEPEPGELLTHLYSHLKCSPLCPV PRLIITPETPEPEAQPVGPPSRVEGGSGGFSSASSFDESEDDVAGGGGASDPEDR SGSKPWKKLKTVLKYSPFVVSFRKHYPWVQLSGHAGNFQAGEDGRILKRFCQCEQ RSLEQLMKDPLRPFVPAYYGMVLQDGQTFNQMEDLLADFEGPSIMDCKMGSRTYL

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EEELVKARERPRPRKDMYEKMVAVDPGAPTPEEHAQGAVTKPRYMQWRETMSST
STLGFRIEIGIKKADGTCNTNFKKTQALEQVTKVLEDFVDGDHVILQKYVACLEELREA
LEISPFKTHEVVGSSLLFVHDHTGLAKVWMIDFGKTVALPDHQTLSHRLPWAEGNR
EDGYLWGLDNMICLLQGLAQS

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name ITPKC inositol-trisphosphate 3-kinase C [Homo sapiens]

Official Symbol ITPKC

Synonyms ITPKC; inositol-trisphosphate 3-kinase C; inositol 1,4,5 trisphosphate 3 kinase C; IP3 3KC; IP3KC; IP3K C; IP3 3-kinase C; InsP 3 kinase C; insP 3-kinase C; inositol 1,4,5-trisphosphate 3-kinase C; IP3-3KC;

Gene ID 80271

mRNA Refseq NM_025194

Protein Refseq NP_079470

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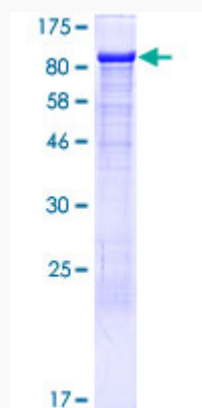
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MIM 606476

UniProt ID Q96DU7

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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